

**Project # 307-0763****Bonita Road at Fanno Creek Pipe Removal****Project Description**

In FY 2002-03 the City installed approximately 250 feet of an 8-inch sanitary sewer pipe to replace an existing pipe that has low spots and poor grade. This segment of the line is located at the Fanno Creek crossing west of the Bonita Road/Milton Court intersection. At the time of construction, the City decided to abandon the existing pipe in place with the intention of removing it at a later time. Due to other project priorities, the project has been delayed. Preliminary design and wetland permits have been obtained. Funding is provided for removal of the pipe crossing Fanno Creek at this location.

**Location:** West of Bonita Rd. / Milton Ct. Intersection

**Status:** Proposed FY 2007-08  
Funded

**Funding Sources:**

Sanitary Sewer	<u>\$20,000</u>
<b>Total Funding Sources</b>	<b><u>\$20,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
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Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$20,000
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<b>Total Costs</b>	<b>\$20,000</b>
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**Project Manager:** Brian Rager, Public Works

**Project # 305-0217****Citywide Sanitary Sewer Extension Program****Project Description**

The Citywide Sewer Extension Program is a 5-year program, which began in FY 2001-02, to extend sewers to all developed but un-served residential areas Citywide. The City uses the formation of reimbursement districts to construct the sewers. The program has been extended due to the number of districts that can be constructed each fiscal year.

The Commercial Area Sewer Extension Program is also funded from the Sanitary Sewer Fund and offers commercial entities the opportunity to participate in reimbursement districts for extension of sewer service to commercial areas. The current incentive programs for early connection in residential neighborhoods are not offered to the commercial sector. Funding is provided to accommodate potential projects that may surface during the fiscal year from the commercial sector.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded

**Funding Sources:**

Sanitary Sewer	<u>\$5,000,000</u>
<b>Total Funding Sources</b>	<b><u>\$5,000,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
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Land/Right-of-Way

Pre-Design

Design & Engineering	\$200,000	\$150,000	\$100,000	\$50,000
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Construction	\$1,800,000	\$1,350,000	\$900,000	\$450,000
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<b>Total Costs</b>	<b>\$2,000,000</b>	<b>\$1,500,000</b>	<b>\$1,000,000</b>	<b>\$500,000</b>
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**Project Manager: Vannie Nguyen & Greg Berry,**  
**Capital Construction & Transportation**

**Project # 307-0612****Commercial St. Sanitary Sewer Upgrades  
(Lincoln to Main St.)****Project Description**

This project replaces approximately 50 feet of a severe damaged pipe on Commercial Street between Lincoln and Main Street that has caused frequent infiltration. This project will be designed and constructed in coordination with the Commercial Street Improvements project between Lincoln and Main Street.

**Location:** Between Lincoln & Main St.

**Status:** Proposed FY 2007-08  
Funded

**Funding Sources:**

Sanitary Sewer	<u>\$20,000</u>
<b>Total Funding Sources</b>	<b><u>\$20,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
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Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$20,000
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<b>Total Costs</b>	<b>\$20,000</b>
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**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

## **Project # 309-0625**

## **Highway 217 Sanitary Sewer Upgrade**

### **Project Description**

There is an existing 8-inch sanitary sewer line that carries flow from the area near the intersection of 72nd Avenue/Hampton Street westerly toward Highway 217, then north along Highway 217 to a point where the line increases in size and crosses under the freeway. The 8-inch section shows signs of reaching capacity and with further development taking place in the Tigard Triangle, the City anticipates a need to upsize this section to at least 12 inches.

The City is working with Clean Water Services (CWS) toward a Sanitary Sewer Master Plan that will analyze these kinds of issues throughout the City. Staff anticipates the Master Plan will confirm that the line should be upsized, and estimates this large project will be designed and constructed in FY 09/10.

The length of sewer line to replace is approximately 2,250 feet. Methods of replacement will need to be reviewed during the design phase, but could include in-place pipe bursting.

**Location:** 72<sup>nd</sup> Ave./Hampton West toward Hwy 217    **Status:** Proposed FY 2009-10  
Funded



### **Funding Sources:**

Sanitary Sewer	<u>\$500,000</u>
<b>Total Funding Sources</b>	<b><u>\$500,000</u></b>

### **Fiscal Years**

2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
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Land/Right-of-Way

Pre-Design

Design & Engineering	\$75,000
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Construction	\$425,000
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<b>Total Costs</b>	<b>\$500,000</b>
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**Project Manager:** Vannie Nguyen & Brian Rager,  
Capital Construction & Transportation/  
Public Works



**Project # 310-0626****Hunziker Sanitary Sewer Upgrade****Project Description**

This project will upgrade the existing sanitary sewer line that is expected to be over capacity due to the additional development planned for the Tigard Triangle.

**Location:** 7920 to 8001 Hunziker St.

**Status:** Proposed FY 2010-11  
Funded

**Funding Sources:**

Sanitary Sewer \$500,000

**Total Funding Sources** **\$500,000**

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction \$500,000

**Total Costs** **\$500,000**

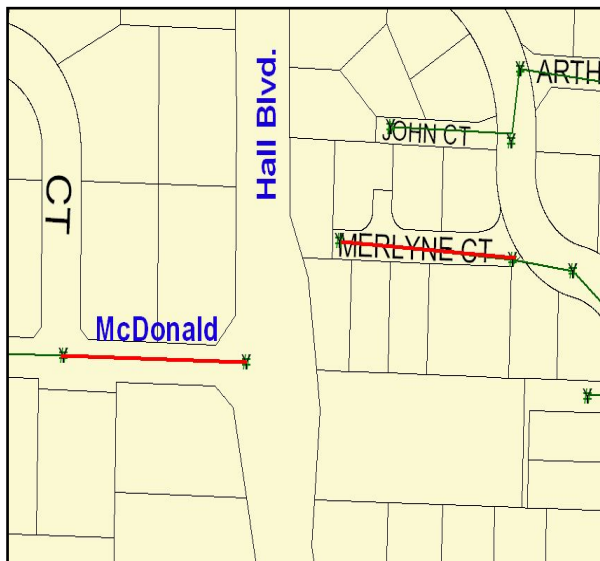
**Project Manager:** Dennis Koellermeier, Public Works

**Project # 307-0769****McDonald St. at Hall Blvd. Sanitary Sewer Connection****Project Description**

This project connects a previously built but unconnected sanitary sewer on McDonald Street to the existing sanitary sewer system located on Merlyne Ct. This project includes installation of 230 feet of 8-inch sewer main and 5 manholes. The project will be constructed concurrently with the 87th Avenue Citywide Sanitary Sewer Extension District scheduled to be completed in the summer of 2007.

**Location:** McDonald & Hall Blvd.

**Status:** Proposed FY 2007-08  
Funded

**Funding Sources:**

Sanitary Sewer	<u>\$140,000</u>
<b>Total Funding Sources</b>	<b><u>\$140,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
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Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$140,000
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<b>Total Costs</b>	<b>\$140,000</b>
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**Project Manager:** Vannie Nguyen, Capital Construction & Transportation

**Project # 307-0768****Red Rock Creek Sanitary Sewer Repair****Project Description**

Red Rock Creek has eroded away the soil and base rock from a sanitary sewer manhole and approximately 20 feet of the 8-inch main just downstream of the manhole. The manhole and pipe are at risk of collapse due to this erosion problem. Preliminary design for the project, located behind the property at 6900 SW Atlanta Street, has been completed. Funding provided is for the construction scheduled for the summer of 2007.

**Location:** 6900 SW Atlanta St.

**Status:** Proposed FY 2007-08  
Funded

**Funding Sources:**

Sanitary Sewer	<u>\$100,000</u>
<b>Total Funding Sources</b>	<b><u>\$100,000</u></b>

**Fiscal Years**

2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
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Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$100,000
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<b>Total Costs</b>	<b>\$100,000</b>
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**Project Manager:** Greg Berry, Capital Construction & Transportation

**Project # 307-0228****Sanitary Sewer Major Maintenance Program****Project Description**

The Sanitary Sewer Fund will be used to contract out sewer repair projects that are beyond the repair capabilities of the City's Public Works Department. This program is intended to be a continuing program of preventative maintenance. This program will avoid restoration costs that could be several times higher. The Sanitary Sewer Major Maintenance Program will include sewer repair projects located at various locations in the City.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded

**Funding Sources:**

Sanitary Sewer	<u>\$500,000</u>
<b>Total Funding Sources</b>	<b><u>\$500,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
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Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
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<b>Total Costs</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>
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**Project Manager:** Vannie Nguyen, Capital Construction & Transportation



**Project # 306-0605****Sanitary Sewer Master Plan****Project Description**

Sanitary sewers in some areas receive an excessive amount of storm water through unauthorized connections or deteriorated lines. The storm water causes overloading of sewers and increases the cost of operating the treatment plant. The proposed project provides funding to analyze and identify the sources of the storm water entering the sewers and prepare a plan to reduce the sources.

The project also identifies lines of inadequate capacity by conducting flow monitoring of existing lines to determine the extent of the capacity deficiency. A prioritized list of capacity improvement projects will be prepared as part of this project.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded

**Funding Sources:**

Sanitary Sewer	<u>\$70,000</u>
<b>Total Funding Sources</b>	<b><u>\$70,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
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Land/Right-of-Way

Pre-Design

Design & Engineering	\$70,000
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Construction

<b>Total Costs</b>	<b>\$70,000</b>
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**Project Manager:** Gus Duenas, Capital Construction & Transportation